

FIG. 1

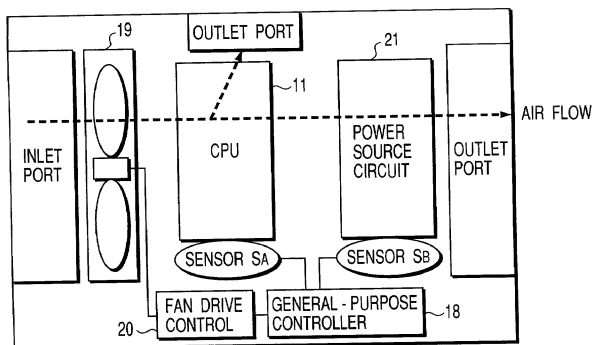


FIG. 2

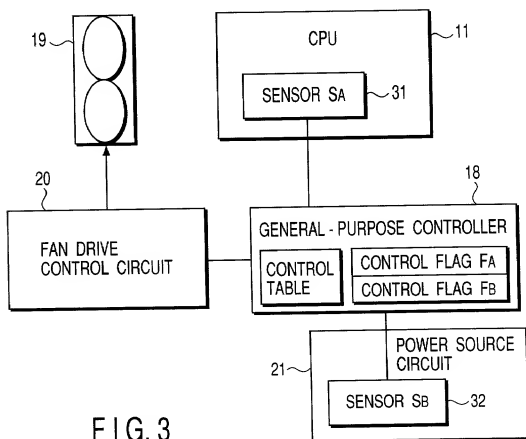


FIG. 3

VALUE OF SENSOR $S_A > A_1$	CONTROL FLAG $FA - ON$
VALUE OF SENSOR $S_A < A_2$	CONTROL FLAG $FA - OFF$
VALUE OF SENSOR $S_A > B_1$	CONTROL FLAG $FB - ON$
VALUE OF SENSOR $S_A < B_2$	CONTROL FLAG $FB - OFF$

(  $A_1 > A_2$  ,  $B_1 > B_2$  )

FIG. 4

	CONTROL FLAG $FB - ON$	CONTROL FLAG $FB - OFF$
CONTROL FLAG $FA - ON$	R4	R2
CONTROL FLAG $FA - OFF$	R3	R1

FIG. 5

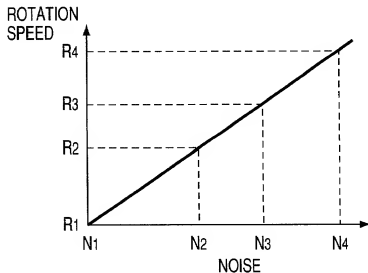


FIG. 6

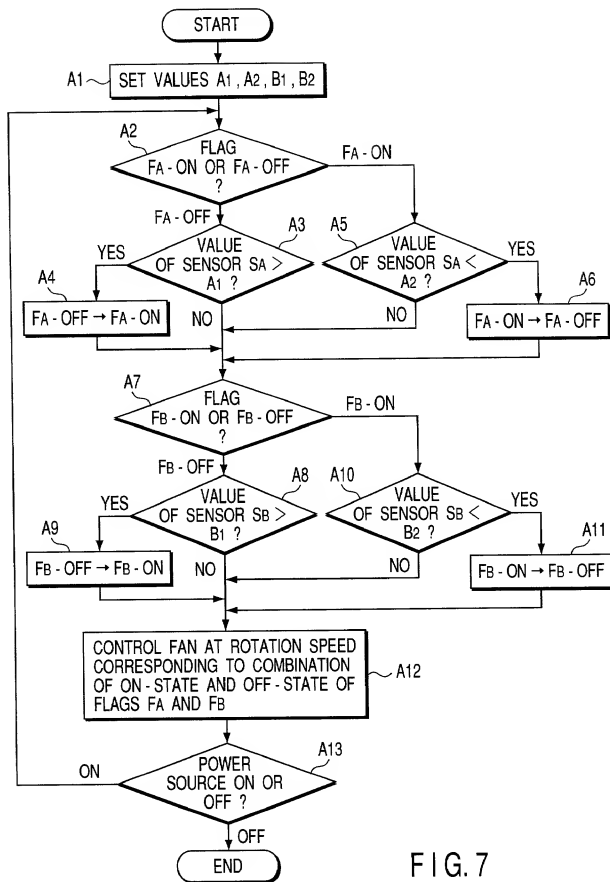


FIG. 7